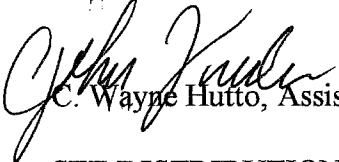


D.O.T. 66

**DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA**

INTERDEPARTMENT CORRESPONDENCE

FILE STP-037-1(18) / BHF-037-1(19) Bibb County **OFFICE** Preconstruction
P. I. Nos. 322000 / 322005
DATE July 15, 2002
FROM  C. Wayne Hutto, Assistant Director of Preconstruction
TO SEE DISTRIBUTION

SUBJECT NOTICE OF LOCATION AND DESIGN APPROVAL

Attached for your further handling is the approved Location and Design Report on the above subject project.

Also attached is the Notice of Location and Design Approval. This is authorization for the District to proceed with advertisement.

CWH/cj

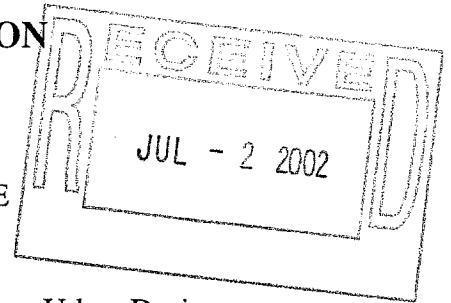
Attachment

DISTRIBUTION:

David Mulling
Harvey Keepler
Herman Griffin
Paul Liles
Phillip Allen
Jerry Hobbs
Marta Rosen
Ben Buchan
Joe Palladi
Thomas Howell
BOARD MEMBER

**DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA**

INTERDEPARTMENT CORRESPONDENCE



FILE STP-037-1(18) & BHF-037-1(19), Bibb County
SR 87/ US 23 Riverside Drive Widening
from Hall Road to Northside Drive
P.I. No.'s: 322000 & 322005

OFFICE Urban Design

FROM  Joseph P. Palladi, P.E. State Urban Design Engineer

DATE June 21, 2002

TO Wayne Hutto, Assistant Director of Preconstruction

SUBJECT Request for Location and Design Approval

DESCRIPTION and PROJECT PROPOSAL: The projects are located north of the city limits of Macon, Georgia in Bibb County. The projects propose to widen SR 87/ US 23 Riverside Drive from Hall Road (CR 217) to Northside Drive (CR 79) and to replace the bridge over Sabbath Creek. The improvements to Riverside Drive begin at milepost 16.85 and continue to milepost 14.48. The length of the SR 87/ US 23 Riverside Drive widening project is approximately 2.5 miles.

The proposed typical section consists of four 12 ft. travel lanes, with a 16 ft. flush median, and 12 ft. urban shoulders including 5 ft. sidewalks on the southbound side and 10 ft. unpaved rural shoulders on the northbound side of the roadway. The pavement will have an additional 2 ft. offset to the edge of pavement on both sides, to facilitate construction of 20 ft. raised median in the future. The bridge over Sabbath Creek is proposed to be replaced due to the age of the structure, the sufficiency rating, and insufficient hydraulic capacity. Intersection improvements are proposed throughout the project length.

CONCEPT APPROVAL DATE: Revised Concept approved on December 6, 2000.

CONCEPT UPDATE: The proposed typical section described above was modified from the typical section in the Revised Concept Report. The widths of the travel lanes and the flush median were modified to facilitate striping the lanes. The currently approved typical section consists of four 12.5 ft. travel lanes with a 14 ft. flush median. The shoulders and edge of pavement offset remain as described in the Revised Concept Report.

ENVIRONMENTAL ASSESSMENT AND REASSESSMENT APPROVAL DATE:
Categorical Exclusion approved on March 12, 2002.

PUBLIC INVOLVEMENT: A Project Development Team (PDT) was assembled to re-evaluate the concept for SR 87/ US 23 Riverside Drive widening and to assist in developing the concept for the adjacent I-75 widening project NH-IM-75-2(211), P.I. # 312090. The PDT met on April 6, 2000, May 23, 2000, and July 20, 2000. Two Public Information Meetings were held for the I-75/ Riverside Drive projects.

- Public Information Meeting #1
 - The meeting was held on March 7, 2000 at Tinsley Elementary School in Macon, Georgia.
 - The project corridor was presented to the public on layouts of aerial photography, with no proposed roadway shown. The attendees were asked to provide suggestions for design of the projects.
 - 52 people attended the meeting including the Bibb County Engineer, the Executive Director of Macon-Bibb County Planning and Zoning, the City of Macon Engineering Manager, and the Road Improvement Program Project Manager, 27 comments were received, 3 opposing and 24 in support of the projects.
 - The opposing comments concerned: noise levels within the project corridor, environmental impacts to the Ocmulgee River, and providing an interchange at Northside Drive to relieve traffic congestion at the Pierce Avenue and Arkwright Road interchanges without modifying the existing interchanges.
 - Nominations for participants on the PDT were taken by the Department.
- Public Information Meeting #2
 - The meeting was held on June 6, 2000 at Tinsley Elementary School.
 - Displays showing the alternates developed by the PDT were presented to the public.
 - 77 people attended the meeting including the Bibb County Engineer, the Executive Director of Macon-Bibb County Planning and Zoning, the City of Macon Engineering Manager, and the Road Improvement Program Project Manager, 61 comments were received, 4 opposing and 40 in support of the project. A petition requesting noise barriers, with 17 signatures, was also received.
 - The opposing comments concerned: noise levels within the project corridor, providing an interchange at Northside Drive to relieve congestion at the Pierce Avenue and Arkwright Road interchanges instead of the proposed improvements, constructing a raised median on Riverside Drive.
 - The PDT assisted GDOT and consultants with conducting the meeting.
 - The alternates preferred by the public were noted and discussed further at the final PDT meeting.

CONSISTENCY WITH APPROVED PLANNING:

The design description as presented herein and submitted for approval is consistent with the approved Revised Concept Report.

RECOMMENDATIONS: The Office of Urban Design recommends that the location and design for this project be approved and that the attached Notice be approved for advertising.


RECOMMEND:


Thomas L. Turner, P.E., Director of Preconstruction

APPROVE:


Frank L. Danchetz, P.E. Chief Engineer

7/12/02
Date of Approval

JPP: MLC 

Attachments:
Location Sketch
Cost Estimate
Notice of Location and Design

NOTICE OF LOCATION AND DESIGN APPROVAL

PROJECT STP-037-1(18) & BHF-037-1(19), BIBB COUNTY, GEORGIA P.I. NO.'s: 322000 & 322005

Notice is hereby given in compliance with *Georgia Code 22-2-109* that the Georgia Department of Transportation has approved the Location and Design of the above project.

Date of Location and Design Approval: July 12, 2002

The proposed projects widen SR 87/ US 23 Riverside Drive from Hall Road (CR 217) to Northside Drive (CR 79) and replace the bridge over Sabbath Creek. The projects are located entirely within Bibb County, Congressional District 8, and Land Lots 327, 328, 342, 343, 346, and 347.

The proposed typical section consists of four 12 ft. travel lanes, with a 16 ft. flush median, and 12 ft. urban shoulders including 5 ft. sidewalks on the southbound side and 10 ft. unpaved rural shoulders on the northbound side of the roadway. The pavement will have an additional 2 ft. offset to the edge of pavement on both sides, to facilitate the possible construction of 20 ft. raised median in the future.

Drawings, maps, or plats of the proposed project, as approved, are and on file and available for inspection at the Georgia Department of Transportation:

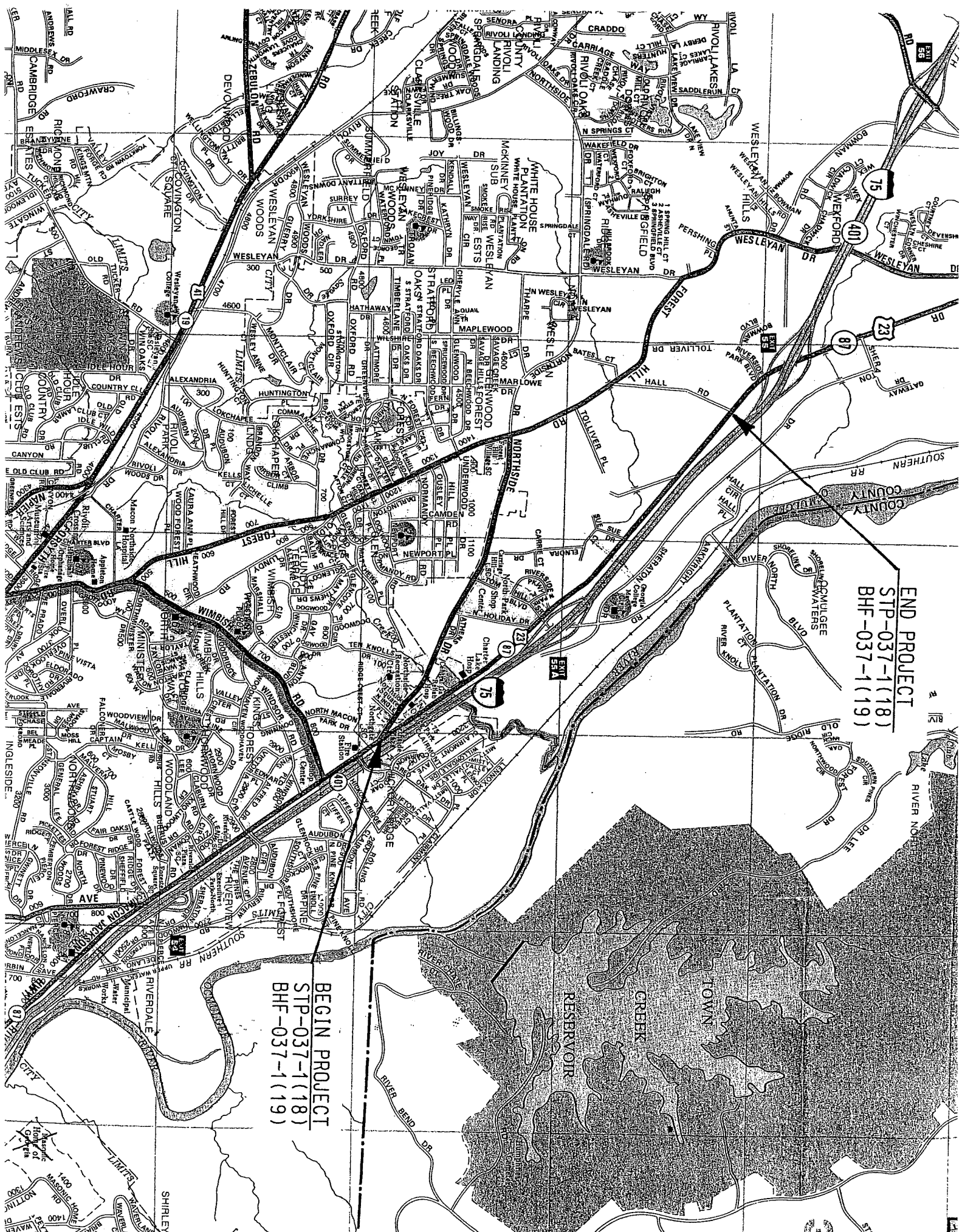
Brink Stokes, *Area Engineer*
brink.stokes@dot.state.ga.us
2790 Roff Avenue
Macon, Georgia 31204
(912) 751-6029

Any interested party may obtain a copy of the drawings, maps, plats, or portions thereof, by paying a nominal fee and requesting in writing to:

Joseph P. Palladi, P.E., *State Urban Design Engineer*
Office of Urban Design
joseph.palladi@dot.state.ga.us
No. 2 Capitol Square, SW
Atlanta, Georgia 30334
Phone (404)656-5436

Any written request in reference to this Notice should include the Project and P.I. Numbers as noted at the top of this notice.

JPP:MLC



END PROJECT
STP-037-1(118)
BHF-037-1(119)

BEGIN PROJECT
STP-037-1(118)
BHF-037-1(119)

**PRELIMINARY COST ESTIMATE
URBAN DESIGN OFFICE**

DATE: _____ PREPARED BY: _____ PBS&J

PROJECT NO.: _____ STP-037-1(18) & BHF-037-1(19)

P.I. NO.: _____ 322000 - & 322005 - _____ MILEAGE: _____ 2.4 miles

PROJECT DESCRIPTION: _____ Widening and reconstruction of Riverside Drive from Hall Road to
Northside Drive, including replacement of the bridge over Sabbath Creek.

PROPOSED CONCEPT: _____ Four 12' travel lanes with a 16' center turn lane. A 12' urban
shoulder with sidewalk on the left side and a 10' rural shoulder on the right side toward I-75.

EXISTING ROADWAY (If Applicable): _____ Riverside Drive

TRAFFIC: Existing: _____ 12,506 (2000) _____ Design: _____ 21,800 (2020)

() PROGRAMMING PROCESS

(X) CONCEPT DEVELOPMENT

() DURING PROJECT DEVELOPMENT

A. RIGHT-OF-WAY

1. PROPERTY (Land and Easements)

_____ \$ 500,000.00

SUBTOTAL \$ 500,000.00

B. REIMBURSABLE UTILITIES

1. SERVICES

_____ \$ 100,000.00

SUBTOTAL \$ 100,000.00

C. MAJOR STRUCTURES

1. BRIDGES

82' x 140' x \$55/SF _____ \$ 631,400.00

2. CULVERTS

Extend 2-6x4 (single) & 1-8x10 (double) _____ \$ 300,000.00

3. MISCELLANEOUS

_____ \$ _____

SUBTOTAL \$ 931,400.00

GRADING AND EARTHWORK

- | | |
|--|----------------------|
| 1. BORROW: <u>20,000</u> yds. @ \$ <u>7.50</u> | \$ <u>250,000.00</u> |
| 2. EXCAVATION: | |
| SOIL: <u>5000</u> yds. @ \$ <u>3.00</u> | \$ <u>15,000.00</u> |
| ROCK: _____ yds. @ \$ _____ | \$ _____ |
| SUBTOTAL | \$ <u>265,000.00</u> |

D. DRAINAGE

1. STORM DRAIN PIPE

272	lf of 15" dia @ \$	26.00	\$	7,072.00
5400	lf of 18" dia @ \$	26.00	\$	140,400.00
2115	lf of 24" dia @ \$	35.00	\$	74,025.00
580	lf of 36" dia @ \$	56.00	\$	32,480.00
75	lf of 48" dia. @ \$	75.00	\$	5,625.00
1	FES 18" dia. @ \$	375.00	\$	375.00
3	FES 24" dia. @ \$	450.00	\$	1,350.00

2. SIDE DRAIN PIPE

_____ lf_of _____ dia_@_ \$ _____ \$ _____

3. MINOR STRUCTURES

43	ea.	Catch basin	@ \$	1750	\$	75,250.00
15	ea.	Drop Inlet	@ \$	1700	\$	25,500.00
5	ea.	Manhole	@ \$	1530	\$	7,650.00

4. MISCELLANEOUS

2000 lf 6" dia. Under drain pipe @ 10.00	\$ 20,000.00
--	--------------

SUBTOTAL \$ 389,727.00

E. BASE AND PAVING

1. AGGEGATE BASE

38998 tons @ \$ 16.30 \$ 635,667.00

2. ASPHALT PAVING

8623	tons of	12.5 mm Superpave	@ \$	43.60	\$	375,962.00
6100	tons of	19 mm Superpave	@ \$	39.30	\$	239,730.00
17600	tons of	25 mm Superpave	@ \$	41.15	\$	724,240.00
1500	tons of	Leveling	@ \$	38.00	\$	57,000.00
5192	gals of	Tack Coat	@ \$	1.00	\$	5,192.00

3. CONCRETE PAVING

\$ _____

4. MISCELLANEOUS

\$ _____

SUBTOTAL \$ 2,037,791.00

F. CONCRETE WORK

1. CURB AND GUTTER

13041 lf @ \$ 10.00 \$ 130,410.00

2. SIDEWALKS

7245 sy @ \$ 18.00 \$ 130,410.00

3. MISCELLANEOUS

1356 sy - 6" Driveway Conc. @ \$22.00 \$ 29,832.00

590 sy - 8" Conc. Valley Gutter @ \$27.00 \$ 15,930.00

488 sy - Reinforced Conc. Approach Slab @ \$85.00 \$ 41,480.00

SUBTOTAL \$ 348,062.00

G. SIGN/ STRIPE/ SIGNAL

26343 lf Striping - Solid Yellow @ \$0.20 \$ 5,269.00

27443 lf Striping - Solid White @ \$0.20 \$ 5,489.00

540 sy Striping - Yellow @ \$5.00 \$ 2,700.00

25542 lf Striping - Skip White @ \$0.15 \$ 3,831.00

22740 lf Striping - Skip Yellow @ \$0.15 \$ 3,411.00

2 Traffic Signals @ \$75,000.00 \$ 150,000.00

Traffic signs - Lump Sum \$ 10,000.00

SUBTOTAL \$ 180,700.00

H. GUARDRAIL

2805 lf Ty W @ \$ 20.00 \$ 56,100.00

82 lf Ty T @ \$ 35.00 \$ 2,870.00

9 Anchors Ty 12 @ \$ 1,500.00 \$ 13,500.00

7 Anchors Ty 1 @ \$ 491.00 \$ 3,437.00

SUBTOTAL \$ 75,907.00

I. TRAFFIC CONTROL

1. TEMPORARY BARRIER

500 If Method 2 @ \$ 25.00 \$ 12,500.00

2. SIGN/LIGHT/ BARRICADES/ ETC.

Barrels, signs and lighting \$ 30,000.00

3. TRAFFIC CONTROL - LUMP

\$ 57,500.00

SUBTOTAL \$ 100,000.00

K. LUMP ITEMS

1. CLEARING AND GRUBBING

32.5 Acres @ \$ 10,000.00 \$ 325,000.00

2. LANDSCAPE/ GRASSING

32.5 acres @ \$700.00 \$ 22,750.00

3. EROSION CONTROL

32.5 acres @ \$2300.00 \$ 74,750.00

SUBTOTAL \$ 420,500.00

L. MISCELLANEOUS

1. FENCING

 If @ \$ \$

2. OTHER/ SPECIAL FEATURES

30 Right-of-Way Markers @ \$60.00 \$ 1,800.00

2500 sy of Rip-Rap @ \$35.00 \$ 87,500.00

Field Engineers Office - Lump \$ 35,000.00

Bridge Removal - Lump \$ 20,000.00

Wetland Mitigation - Lump \$ 5,000.00

SUBTOTAL \$ 148,580.00

ESTIMATE SUMMARY

RIGHT-OF-WAY	\$ <u>500,000.00</u>
REIMBURSABLE UTILITIES	\$ <u>100,000.00</u>

CONSTRUCTION COST SUMMARY

CLEARING AND GRUBBING	\$ <u>325,000.00</u>
EARTHWORK	\$ <u>265,000.00</u>
BASE AND PAVING	\$ <u>2,037,800.00</u>
DRAINAGE	\$ <u>389,800.00</u>
CONCRETE WORK	\$ <u>348,100.00</u>
TRAFFIC CONTROL	\$ <u>100,000.00</u>
EROSION CONTROL	\$ <u>74,800.00</u>
GUARDRAIL	\$ <u>76,000.00</u>
SIGN/ STRIPE/ SIGNAL	\$ <u>180,700.00</u>
LANDSCAPING/ GRASSING	\$ <u>22,800.00</u>
MISCELLANEOUS	\$ <u>149,300.00</u>
SUBTOTAL ROADWAY ITEMS	\$ <u>3,969,300.00</u>
MAJOR STRUCTURES	\$ <u>931,400.00</u>
TOTAL CONSTRUCTION ESTIMATES	\$ <u>4,900,700.00</u>
5 % INFLATION FOR <u>3</u> YRS	\$ <u>772,500.00</u>
10 % E&C	\$ <u>567,400.00</u>
TOTAL	\$ <u>6,240,600.00</u>

